

# **Radiological Scoping Surveys IR Site 12 Housing Units**

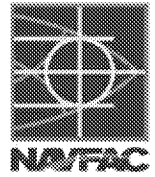
## **Former Naval Station Treasure Island**

May 2014 BCT Meeting  
Chris Yantos, Project Manager  
Contracted Support for Navy BRAC

**5/21/2014**

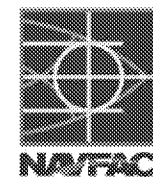
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## General Project Description

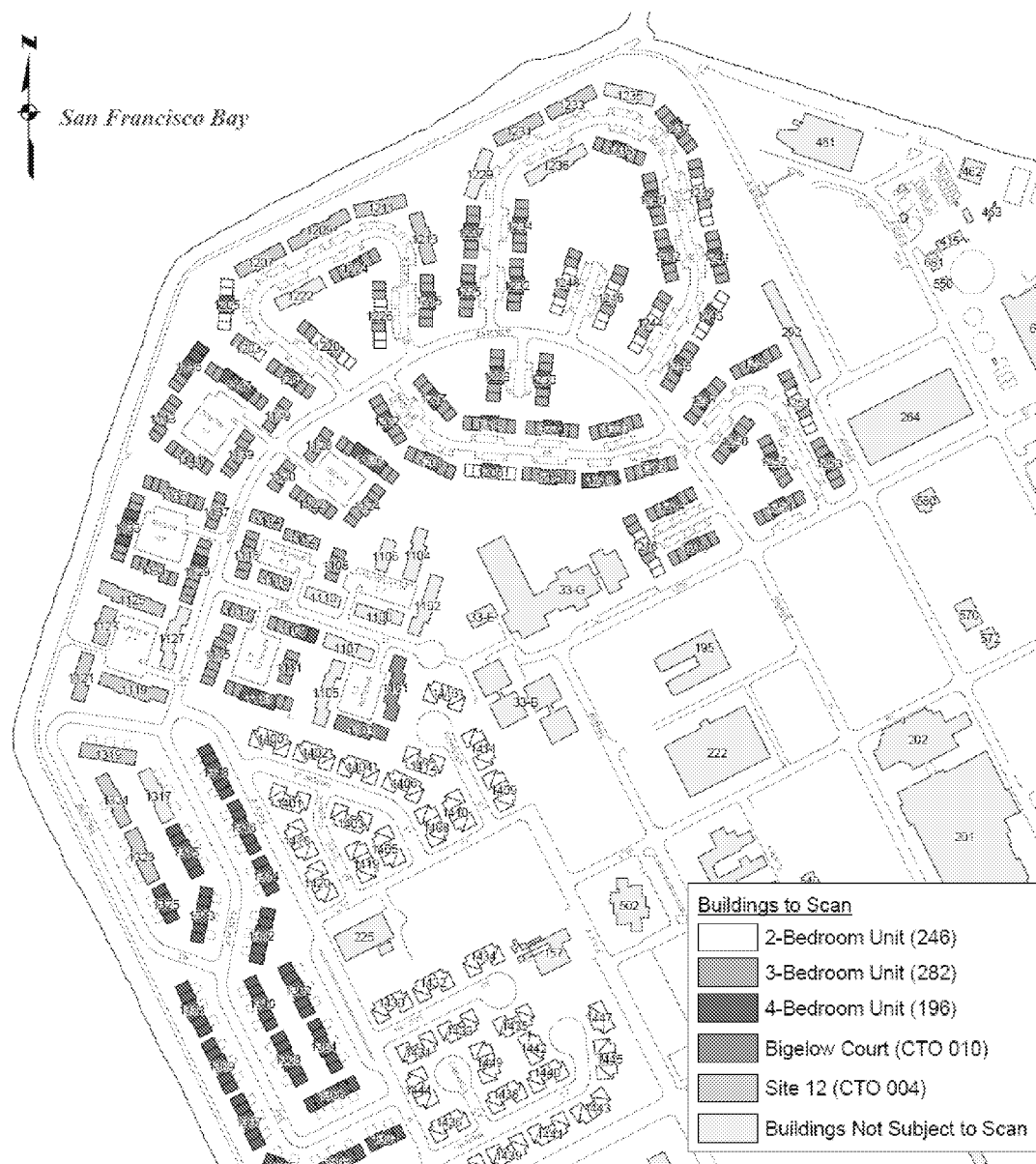


- **Housing area is approximately 105 acres**
- **In 1999, the Navy leased the former military housing on Naval Station Treasure Island (NSTI) to the City of San Francisco**
- **728 units are available to TIDA for lease**
- **The number of units in each multiplex range from 4-8. The 1400 series units include garages.**
- **The project scope includes...**
  - ☐ conducting radiological surveys of the interiors of all ground floor housing units to assess the exposure health risk to current residents,
  - ☐ address data gaps to support IR Site 12 feasibility study addendum, and
  - ☐ support the Finding of Suitability for Lease process relating to the TIDA leasing program
- **Work scheduled to be completed within 11 months**

# Treasure Island Building Scoping Survey Map




San Francisco Bay



## Number of Contractor Field Survey Days



### Work Days per Housing Area

Housing Area	Six (6) 5-Person Crews 
1400 Series (68 units)	12
1400 Series Garages (200 garages)	17
Other Units (473 units)	40
Empty Units (53 units)	3
<b>Total Work Days</b>	<b>72</b>

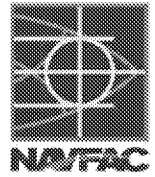
#### ⦿ Six (6) Contractor Field Survey Crews:

2 radiological technicians

2 laborers

1 field team supervisor

# Ludlum 193-6 Extended Reach microR Ratemeter



[www.ludlums.com](http://www.ludlums.com)

The Model 193-6 is a highly sensitive gamma  $\mu\text{R}/\text{meter}$  with an extended reach capability. A very sensitive 15.2 cm diameter x 2.5 cm thick (6 x 1 in.) plastic scintillator detector is mounted at the end of a 1.2 meter (4 ft) long pole to facilitate reaching elevated areas.

The ratemeter front-panel controls include a rotary switch for selecting the scale, instrument shut-off, and battery test; an audio on/off switch, a fast/slow response switch, and a pushbutton for count reset.

This instrument supports two types of alarms; a user adjustable fixed point alarm, and a deviation alarm that activates at levels above a floating background. An alarm light is mounted to the front panel and is accompanied by an audio signal.

Instrument will be configured to support the use of headphones.

***CDPH tested the instrument in Sacramento on May 16 and concurred with the use of Model 193-6 for the building surveys.***

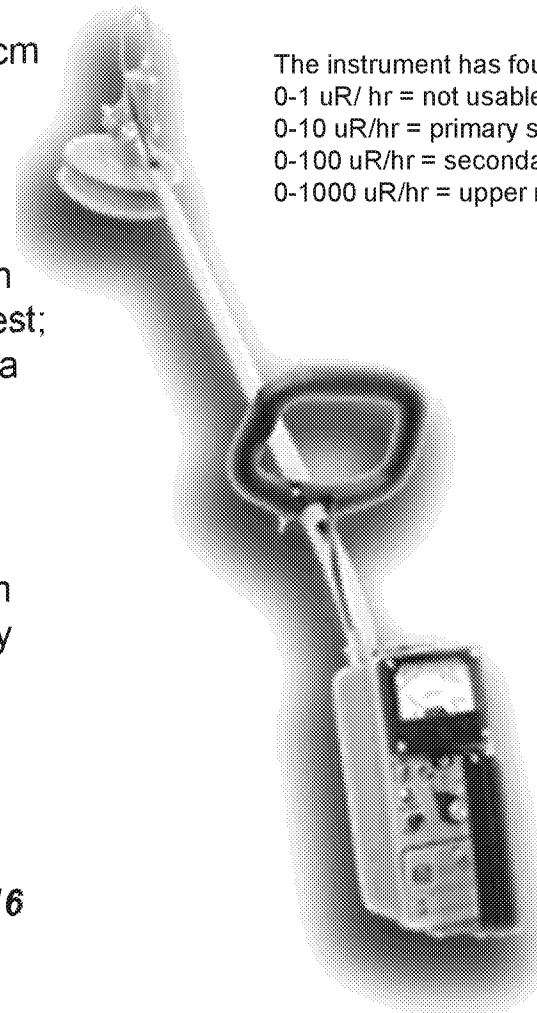
The instrument has four scales:

0-1  $\mu\text{R}/\text{hr}$  = not usable

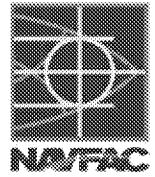
0-10  $\mu\text{R}/\text{hr}$  = primary scale for survey

0-100  $\mu\text{R}/\text{hr}$  = secondary scale for survey

0-1000  $\mu\text{R}/\text{hr}$  = upper range of instrument



## Project Schedule



### Summary:

Activity	Start	End
Project Kick-off	28-Apr-14	
BCT review of Draft TSP	27-May-14	29-May-15
Issue Final TSP	9-Jun-14	
<b>Mobilization</b>	<b>9-Jun-14</b>	
Field kick-off, instrument orientation, training and coordination	10-Jun-14	11-Jun-14
<b>Building surveys</b>	<b>12-June-14</b>	<b>25-Sep-15</b>
Draft Survey Completion Report	20-Jan-15	Feb-18-15
Project completion		9-Mar-15

- **A Work Notice will be distributed approximately 14 days prior to entry into occupied housing units**
- **Detailed scheduling and coordinating access to each unit will be very important**
  - Access up to three (3) units per team per day (6 teams = 18 units)
- **Work schedule: 8 hours/day, 5 days/week**

## 1100 Series – Built 1966



**1100 Series Housing Units**

## 1200 Series – Built 1969



**1200 Series Housing Units**

## 1300 Series – Built 1970

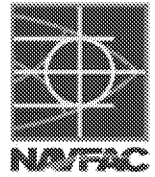


**1300 Series Housing Units**

## 1400 Series – Built 1989



**1400 Series Housing Units**



Questions, comments,  
concerns ?